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ART UNIT	PAPER NUMBER
2185	

DATE MAILED: 10/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *11 December 2003*.

2a)☐ This action is **FINAL.** 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-57* is/are pending in the application.

   4a) Of the above claim(s) *51-57* is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-50* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *11 December 2003* is/are: a)☐ accepted or b)☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☐ All b)☐ Some * c)☐ None of:

   1.☐ Certified copies of the priority documents have been received.

   2.☐ Certified copies of the priority documents have been received in Application No. _____.

   3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *12/11/03*.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____ .

DETAILED ACTION

Response to Amendment

This Office action is in response to Applicant's communication filed July 28, 2006

in response to the Office action dated June 28, 2006. Claims 1-57 are pending in this

application. Claims 51-57 have been withdrawn and as such claims 1-50 are ready for

examination by the Examiner.

Response to Arguments

Applicant's election of claims 1-50 with traverse in the reply filed on July 28, 2006

is acknowledged. Because applicant did not distinctly and specifically point out the

supposed errors in the restriction requirement, but rather merely stated "[T]his election

is with general traverse", the election has been treated as an election **without** traverse

(MPEP § 818.03(a)).

INFORMATION CONCERNING OATH/DECLARATION

Oath/Declaration

1.   Applicant's oath/declaration has been reviewed by Examiner and is found to

conform to the requirements prescribed in 37 CFR 1.63.

INFORMATION CONCERNING DRAWINGS

Drawings

2.   Applicant's drawings submitted December 11, 2003 are acceptable for

examination purposes.

ACKNOWLEDGMENT OF REFERENCES CITED BY APPLICANT

Information Disclosure Statement

3.   As required by MPEP § 609(c), Applicant's submission of the Information

Disclosure Statement dated December 11, 2003 is acknowledged by Examiner and

cited references have been considered in the examination of the claims now pending.

As required by MPEP § 609 c(2), a copy of the PTOL-1449 initialed and dated by

Examiner is attached to the instant Office action.

OBJECTIONS

Specification

4.   Applicant is reminded of the proper content of an abstract of the disclosure.

      A patent abstract is a concise statement of the technical disclosure of the patent
and should include that which is new in the art to which the invention pertains. If the
patent is of a basic nature, the entire technical disclosure may be new in the art, and the
abstract should be directed to the entire disclosure. If the patent is in the nature of an
improvement in an old apparatus, process, product, or composition, the abstract should
include the technical disclosure of the improvement. In certain patents, particularly
those for compounds and compositions, wherein the process for making and/or the use
thereof are not obvious, the abstract should set forth a process for making and/or use
thereof. If the new technical disclosure involves modifications or alternatives, the
abstract should mention by way of example the preferred modification or alternative.

The abstract should not refer to purported merits or speculative applications of the invention and should not compare the invention with the prior art.

Where applicable, the abstract should include the following:
(1) if a machine or apparatus, its organization and operation;
(2) if an article, its method of making;
(3) if a chemical compound, its identity and use;
(4) if a mixture, its ingredients;
(5) if a process, the steps.

Extensive mechanical and design details of apparatus should not be given.

The abstract of the disclosure is objected to because it is not descriptive. The abstract provided in this application should at least provide the technical disclosure of the improvement and also concise details of the organization and/or operation of the system. Correction is required. See MPEP § 608.01(b).

5.   The section entitled "Cross-Reference to Related Applications" must properly identify all co-pending applications with their corresponding application numbers (i.e. serial numbers).

Appropriate correction is required.

REJECTIONS BASED ON PRIOR ART

Claim Rejections - 35 USC § 102

6.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7.   **Claims 1-6, 12-18, 21-31, 37-43, and 46-50** are rejected under U.S.C. 102(b)

as being anticipated by Jaeger (U.S. Patent 6,345,028).

8.   **As per clam 1**, Jaeger discloses a method comprising:

receiving a request for data having at least one specific content (col. 5, lines 49-

52; Fig. 1); *It should be noted that it is inherently required there be some kind of*

"request" in order to read tracks from a disk.

obtaining one or more temporal addresses corresponding to the at least one

specific content, in response to the request for data having the at least one specific

content (col. 5, lines 52-63; Fig. 1); *It should be noted that the "time stamps" are*

analogous to the "temporal addresses."

and selecting data from at least one data stream having spatial-to-temporal

translated data, in response to the one or more temporal addresses (col. 6, lines 49-63;

Fig. 2). *It should be noted that the re-ordered audio/video/data tracks/signals being*

streamed from the RAM buffer are analogous to the "spatial-to-temporal translated

data."

9.   **As per claim 2**, Jaeger discloses said receiving a request for data having at

least one specific content further comprises:

receiving a request for at least a portion of recorded video (col. 8, lines 36-46;

Fig. 5).

10.   **As per claim 3**, Jaeger discloses said receiving a request for data having at

least one specific content further comprises:

receiving a request for at least a portion of recorded audio (col. 8, lines 36-46;

Fig. 5).

11.   **As per claim 4**, Jaeger discloses said receiving a request for data having at

least one specific content further comprises:

receiving a request for at least a portion of recorded video and recorded audio

(col. 8, lines 36-46; Fig. 5).

12.   **As per claim 5**, Jaeger discloses said receiving a request for data having at

least one specific content further comprises:

receiving a request for at least a portion of at least one of computer processable

and network processable data (col. 8, lines 36-46; Fig. 5). *It should be noted that audio,*

video, and data tracks are all both computer processable data as well as network

processable data.

13.   **As per claim 6**, Jaeger discloses obtaining one or more temporal addresses

corresponding to the at least one specific content, in response to the request for data

having the at least one specific content further comprises:

associating the specific content with one or more times of one or more

transmitted data portions (col. 5, lines 52-63; Fig. 1). *It should be noted that the "100*

ms segments" are analogous to "one or more times."

14.   **As per claim 12**, Jaeger discloses said associating the specific content with one

or more times of one or more transmitted data portions further comprises:

associating the specific content with at least one absolute time associated with a

clock (col. 5, lines 52-54; Fig. 1). *It should be noted that "100 ms" is an absolute time.*

It should also be noted that it is inherently required the "100 ms" be associated with a

clock.

15.   **As per claim 13**, Jaeger discloses said associating the specific content with at

least one absolute time associated with a clock further comprises:

associating the specific content with at least one time associated with at least

one of an atomic clock, a global clock, a relative clock, a transmitted clock, and a

number of ticks relative to some specified received data (col. 5, lines 52-54; Fig. 1).

See the citation note for claim 12 above.

16.   **As per claim 14**, Jaeger discloses said associating the specific content with at

least one absolute time associated with a clock further comprises: associating the

specific content with at least one absolute time associated with a transmitted clock (col.

5, lines 52-54; Fig. 1). *See the citation note for claim 12 above.*

17.   **As per claim 15**, Jaeger discloses said associating the specific content with one

or more times of one or more transmitted data portions further comprises:

associating the specific content with at least one relative time (col. 5, lines 52-54;

Fig. 1). *It should be noted that "100 ms" is also a relative time.*

18.   **As per claim 16**, Jaeger discloses said associating the specific content with at

least one relative time further comprises:

associating the specific content with at least one time relative to a received

marker (col. 5, lines 52-54; Fig. 1). *It should be noted that the end of a "100 ms*

segment" is analogous to the "received marker."

19.   **As per claim 17**, Jaeger discloses said associating the specific content with at

least one relative time further comprises:

associating the specific content with at least one time of a first and second

received marker (col. 5, lines 52-54; Fig. 1). *It should be noted that the beginning of a*

"100 ms segment" is analogous to the "first received marker" and the end of a "100 ms

segment" is analogous to the "second received marker."

20.   **As per claim 18**, Jaeger discloses said selecting data from at least one data

stream having spatial-to-temporal translated data, in response to the one or more

temporal addresses further comprises:

selecting at least a portion of cyclically transmitted data in response to the one or

more temporal addresses (col. 6, lines 49-63; Fig. 2). *It should be noted that the re-*

ordered audio/video/data tracks/signals are recorded tracks from a disk drive and

therefore must be cyclically transmitted data.

21.   **As per claim 21**, Jaeger discloses said selecting data from at least one data

stream having spatial-to-temporal translated data, in response to the one or more

temporal addresses further comprises:

selecting data from at least one data stream having file-address-to-temporal-

address translated data (col. 5, lines 12-20; col. 6, lines 49-63; Fig. 2).

22.   **As per claim 22**, Jaeger discloses said selecting data from at least one data

stream having spatial-to-temporal translated data, in response to the one or more

temporal addresses further comprises:

selecting data from at least one data stream having disk-address-to-temporal-address translated data (col. 5, lines 12-20; col. 6, lines 49-63; Fig. 2).

23.   **As per claim 23**, Jaeger discloses said selecting data from at least one data stream having spatial-to-temporal translated data, in response to the one or more temporal addresses further comprises:

selecting data from at least one data stream having tape-address-to-temporal-address translated data (col. 5, lines 12-20; col. 6, lines 49-63; Fig. 2).

24.   **As per claim 24**, Jaeger discloses said selecting data from at least one data stream having spatial-to-temporal translated data, in response to the one or more temporal addresses further comprises:

selecting data from at least one data stream having substantially static-address-to-temporal-address translated data (col. 5, lines 12-20; col. 6, lines 49-63; Fig. 2).

25.   **As per claim 25**, Jaeger discloses said selecting data from at least one data stream having spatial-to-temporal translated data, in response to the one or more temporal addresses further comprises:

selecting data from at least one data stream having object-address-to-temporal-address translated data (col. 5, lines 12-20; col. 6, lines 49-63; Fig. 2).

26.   **As per clam 26**, Jaeger discloses a system comprising:

means for receiving a request for data having at least one specific content (col. 5, lines 49-52; Fig. 1); *See the citation note for the similar limitation in claim 1 above.*

means for obtaining one or more temporal addresses corresponding to the at least one specific content, in response to the request for data having the at least one

specific content (col. 5, lines 52-63; Fig. 1); *See the citation note for the similar limitation in claim 1 above.*

and means for selecting data from at least one data stream having spatial-to-temporal translated data, in response to the one or more temporal addresses (col. 6, lines 49-63; Fig. 2). *See the citation note for the similar limitation in claim 1 above.*

27.   **As per claim 27**, Jaeger discloses said means for receiving a request for data having at least one specific content further comprises:

means for receiving a request for at least a portion of recorded video (col. 8, lines 36-46; Fig. 5).

28.   **As per claim 28**, Jaeger discloses said means for receiving a request for data having at least one specific content further comprises:

means for receiving a request for at least a portion of recorded audio (col. 8, lines 36-46; Fig. 5).

29.   **As per claim 29**, Jaeger discloses said means for receiving a request for data having at least one specific content further comprises:

means for receiving a request for at least a portion of recorded video and recorded audio (col. 8, lines 36-46; Fig. 5).

30.   **As per claim 30**, Jaeger discloses said means for receiving a request for data having at least one specific content further comprises:

means for receiving a request for at least a portion of at least one of computer processable and network processable data (col. 8, lines 36-46; Fig. 5). *See the citation note for claim 5 above.*

31. **As per claim 31**, Jaeger discloses means for obtaining one or more temporal

addresses corresponding to the at least one specific content, in response to the request

for data having the at least one specific content further comprises:

means for associating the specific content with one or more times of one or more

transmitted data portions (col. 5, lines 52-63; Fig. 1). *See the citation note for claim 6*

above.

32. **As per claim 37**, Jaeger discloses said means for associating the specific

content with one or more times of one or more transmitted data portions further

comprises:

means for associating the specific content with at least one absolute time

associated with a clock (col. 5, lines 52-54; Fig. 1). *See the citation note for claim 12*

above.

33. **As per claim 38**, Jaeger discloses said means for associating the specific

content with at least one absolute time associated with a clock further comprises:

means for associating the specific content with at least one time associated with

at least one of an atomic clock, a global clock, a relative clock, a transmitted clock, and

a number of ticks relative to some specified received data (col. 5, lines 52-54; Fig. 1).

See the citation note for claim 12 above.

34. **As per claim 39**, Jaeger discloses said means for associating the specific

content with at least one absolute time associated with a clock further comprises:

means for associating the specific content with at least one absolute time

associated with a transmitted clock (col. 5, lines 52-54; Fig. 1). *See the citation note for*

claim 12 above.

35.   **As per claim 40**, Jaeger discloses said means for associating the specific

content with one or more times of one or more transmitted data portions further

comprises:

means for associating the specific content with at least one relative time (col. 5,

lines 52-54; Fig. 1). *See the citation note for claim 15 above.*

36.   **As per claim 41**, Jaeger discloses said means for associating the specific

content with at least one relative time further comprises:

means for associating the specific content with at least one time relative to a

received marker (col. 5, lines 52-54; Fig. 1). *See the citation note for claim 16 above.*

37.   **As per claim 42**, Jaeger discloses said means for associating the specific

content with at least one relative time further comprises:

means for associating the specific content with at least one time of a first and

second received marker (col. 5, lines 52-54; Fig. 1). *See the citation note for claim 17*

above.

38.   **As per claim 43**, Jaeger discloses said means for selecting data from at least

one data stream having spatial-to-temporal translated data, in response to the one or

more temporal addresses further comprises:

means for selecting at least a portion of cyclically transmitted data in response to the one or more temporal addresses (col. 6, lines 49-63; Fig. 2). *See the citation note for claim 18 above.*

39.   **As per claim 46**, Jaeger discloses said means for selecting data from at least one data stream having spatial-to-temporal translated data, in response to the one or more temporal addresses further comprises:

means for selecting data from at least one data stream having file-address-to-temporal-address translated data (col. 5, lines 12-20; col. 6, lines 49-63; Fig. 2).

40.   **As per claim 47**, Jaeger discloses said means for selecting data from at least one data stream having spatial-to-temporal translated data, in response to the one or more temporal addresses further comprises:

means for selecting data from at least one data stream having disk-address-to-temporal-address translated data (col. 5, lines 12-20; col. 6, lines 49-63; Fig. 2).

41.   **As per claim 48**, Jaeger discloses said means for selecting data from at least one data stream having spatial-to-temporal translated data, in response to the one or more temporal addresses further comprises:

means for selecting data from at least one data stream having tape-address-to-temporal-address translated data (col. 5, lines 12-20; col. 6, lines 49-63; Fig. 2).

42.   **As per claim 49**, Jaeger discloses said means for selecting data from at least one data stream having spatial-to-temporal translated data, in response to the one or more temporal addresses further comprises:

means for selecting data from at least one data stream having substantially

static-address-to-temporal-address translated data (col. 5, lines 12-20; col. 6, lines 49-

63; Fig. 2).

43.   **As per claim 50**, Jaeger discloses said means for selecting data from at least

one data stream having spatial-to-temporal translated data, in response to the one or

more temporal addresses further comprises:

means for selecting data from at least one data stream having object-address-to-

temporal-address translated data (col. 5, lines 12-20; col. 6, lines 49-63; Fig. 2).

Claim Rejections - 35 USC § 103

44.   · The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

45.   **Claims 7-11, 19-20, 32-36, and 44-45 are rejected under 35 U.S.C. 103(a) as**

being obvious over Jaeger in view of Ma et al. (U.S. Patent 5,926,649).

46.   **As per claim 7**, Jaeger discloses all the limitations of claim 7 except said

associating the specific content with one or more times of one or more transmitted data

portions further comprises:

consulting a schedule having the specific content in association with the one or

more times of the one or more transmitted data portions.

Ma discloses said associating the specific content with one or more times of one or more transmitted data portions further comprises:

consulting a schedule having the specific content in association with the one or more times of the one or more transmitted data portions (col. 10, lines 43-49; Fig. 4). *It should be noted that "scheduler" is analogous to "schedule."*

Jaeger and Ma are analogous art because they are from the same field of endeavor, that being multimedia playback systems.

At the time of the invention it would have been obvious to a person of ordinary skill in the art to implement Ma's schedulers within Jaeger's recording/playback system.

The motivation for doing so would have been to provide sequential-like parallel retrieval suitable for supporting real-time multimedia data distribution for large numbers of clients (Ma, col. 7, lines 12-14).

Therefore, it would have been obvious to combine Jaeger and Ma for the benefit of obtaining the invention as specified in claim 7.

47.   **As per claim 8**, the combination of Jaeger/Ma discloses said consulting a schedule having the specific content in association with the one or more times of the one or more transmitted data portions further comprises:

consulting a schedule published by at least one of a source controller and a source switch controller (Ma, col. 10, lines 43-49 and 55-60; Fig. 4). *It should be noted that the "media server" is analogous to the "source controller."*

48.   **As per claim 9**, the combination of Jaeger/Ma discloses said consulting a

schedule published by at least one of a source controller and a source switch controller

further comprises:

accepting input of the schedule published by at least one of the source controller

and the source switch controller (Ma, col. 11, lines 1-4; Fig. 4).

49.   **As per claim 10**, the combination of Jaeger/Ma discloses said consulting a

schedule having the specific content in association with the one or more times of the

one or more transmitted data portions further comprises:

consulting a schedule received from at least one of a source controller and a

source switch controller (Ma, col. 11, lines 4-14; Fig. 4).

50.   **As per claim 11**, the combination of Jaeger/Ma discloses said consulting a

schedule received from at least one of a source controller and a source switch controller

further comprises:

receiving the schedule from a data stream (Ma, col. 11, lines 1-4; Fig. 4). *It*

should be noted that the circulation of the scheduler among the various disks is

analogous to a "data stream."

51.   **As per claim 19**, the combination of Jaeger/Ma discloses said selecting data

from at least one data stream having spatial-to-temporal translated data, in response to

the one or more temporal addresses further comprises:

selecting data from a first network and a second network in response to the one

or more temporal addresses (Ma, col. 11, lines 37-55; Figs. 4 and 5). *It should be noted*

that "disk 1" is analogous to the "first network", "disk 2" is analogous to the "second

network", and so on. It should also be noted that the "disk zone" is analogous to the "temporal address."

52.   **As per claim 20**, the combination of Jaeger/Ma discloses constructing the specific content from data selected from a first network and a second network in response to the one or more temporal addresses (col. 10, lines 46-55). *See the citation note for claim 19 above.*

53.   **As per claim 32**, Jaeger discloses all the limitations of claim 32 except said means for associating the specific content with one or more times of one or more transmitted data portions further comprises:

means for consulting a schedule having the specific content in association with the one or more times of the one or more transmitted data portions.

Ma discloses said means for associating the specific content with one or more times of one or more transmitted data portions further comprises:

means for consulting a schedule having the specific content in association with the one or more times of the one or more transmitted data portions (col. 10, lines 43-49; Fig. 4). *See the citation note for the similar limitation in claim 7 above.*

Jaeger and Ma are analogous art because they are from the same field of endeavor, that being multimedia playback systems.

At the time of the invention it would have been obvious to a person of ordinary skill in the art to implement Ma's schedulers within Jaeger's recording/playback system.

The motivation for doing so would have been to provide sequential-like parallel retrieval suitable for supporting real-time multimedia data distribution for large numbers of clients (Ma, col. 7, lines 12-14).

Therefore, it would have been obvious to combine Jaeger and Ma for the benefit of obtaining the invention as specified in claim 32.

54.   **As per claim 33**, the combination of Jaeger/Ma discloses said means for consulting a schedule having the specific content in association with the one or more times of the one or more transmitted data portions further comprises:

means for consulting a schedule published by at least one of a source controller and a source switch controller (Ma, col. 10, lines 43-49 and 55-60; Fig. 4). *See the citation note for claim 8 above.*

55.   **As per claim 34**, the combination of Jaeger/Ma discloses said means for consulting a schedule published by at least one of a source controller and a source switch controller further comprises:

means for accepting input of the schedule published by at least one of the source controller and the source switch controller (Ma, col. 11, lines1-4; Fig. 4).

56.   **As per claim 35**, the combination of Jaeger/Ma discloses said means for consulting a schedule having the specific content in association with the one or more times of the one or more transmitted data portions further comprises:

means for consulting a schedule received from at least one of a source controller and a source switch controller (Ma, col. 11, lines 4-14; Fig. 4).

57.   **As per claim 36**, the combination of Jaeger/Ma discloses said means for

consulting a schedule received from at least one of a source controller and a source

switch controller further comprises:

means for receiving the schedule from a data stream (Ma, col. 11, lines 1-4; Fig.

4). *See the citation note for clam 11 above.*

58.   **As per claim 44**, the combination of Jaeger/Ma discloses said means for

selecting data from at least one data stream having spatial-to-temporal translated data,

in response to the one or more temporal addresses further comprises:

means for selecting data from a first network and a second network in response

to the one or more temporal addresses (Ma, col. 11, lines 37-55; Figs. 4 and 5). *See*

the citation note for claim 19 above.

59.   **As per claim 45**, the combination of Jaeger/Ma discloses means for constructing

the specific content from data selected from a first network and a second network in

response to the one or more temporal addresses (col. 10, lines 46-55). *See the citation*

note for claim 19 above.

Conclusion

STATUS OF CLAIMS IN THE APPLICATION

The following is a summary of the treatment and status of all claims in the

application as recommended by MPEP 707.70(i):

CLAIMS REJECTED IN THE APPLICATION

Per the instant office action, **claims 1-50** have received a first action on

the merits and are subject of a first action non-final.

RELEVANT ART CITED BY THE EXAMINER

The following prior art made of record and not relied upon is cited to establish the

level of skill in Applicant's art and those arts considered reasonably pertinent to

Applicant's disclosure. See MPEP 707.05(e).
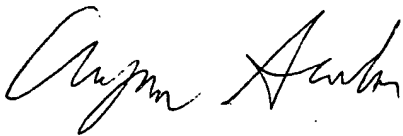
1.   U.S. Patent 6,137,642 (Inoue) discloses a recording apparatus capable of

realizing easy dubbing operations.

2.   U.S. Patent 6,266,053 (French et al.) discloses a technique for representing a

visual scene as a directed acyclic graph of data and operators that generates a

sequence of image frames over specified time intervals.

3.   U.S. Patent 6,912,327 (Hori et al.) discloses an imagine information describing

method, video retrieval method, video reproducing method, and video reproducing

apparatus.

4.   U.S. Patent Application Publication 2003/0002864 (Mollie et al.) discloses a

process and device for managing the memory space of a hard disk.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Arpan P. Savla whose telephone number is (571) 272-

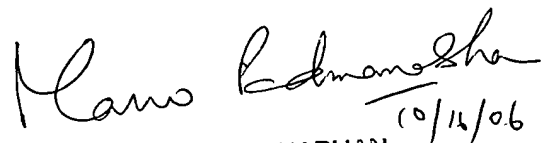1077. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Sanjiv Shah can be reached on (571) 272-4098. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

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Arpan Savla
Art Unit 2185
October 14, 2006

MANO PADMANABHAN
SUPERVISORY PATENT EXAMINER